

READINGS FROM RECOMMENDED TEXT (SALBY)

1. Introduction: pp. 1-4, 16-17; (optional) pp. 22-24, 30-35
2. Atmospheric thermodynamics: pp. 5-11, 25-29, 55-75, 79-88, 91-96, 107-114, 117-133, 151-162, 166-181, 188-191
3. Cloud physics: pp. 36-41, 258-287
4. Atmospheric radiation: pp. 41-50, 198-226, 233-252, 287-295, 305-314
5. Atmospheric dynamics: pp. 17-22, 50-52, 143-151, 321-338, 350-364, 371-374, 377-381, 385-387, 486-489, 506-513

OTHER REFERENCES

At the same level as Salby:

- *Wallace and Hobbs - Atmospheric Science: An Introductory Survey
- *D.G. Andrews – An Introduction to Atmospheric Physics
- H.R. Byers - General Meteorology
- S.L. Hess - Introduction to Theoretical Meteorology
- *D.L. Hartmann - Global Physical Climatology

At a lower level:

- *R.M. Goody and J.C.G. Walker - Atmospheres
- B.W. Atkinson (editor) - Dynamical Meteorology - An Introductory Selection

At a higher level:

- C.F. Bohren and B.A. Albrecht – Atmospheric Thermodynamics
- J.A. Curry and P.J. Webster – Thermodynamics of Atmospheres and Oceans
- J.R. Holton - An Introduction to Dynamic Meteorology (2nd edition is better)
- R.M. Goody and Y.L. Yung - Atmospheric Radiation: Theoretical Basis
- *G.L. Stephens - Remote Sensing of the Lower Atmosphere – An Introduction
- J.T. Houghton - The Physics of Atmospheres

Books with a * are on reserve for the semester in the GISS library. The GISS library has the others but any of them may or may not be checked out when you look for them; ask the librarian. Several of the books also exist at the Schermerhorn and/or Lamont libraries.

I will also put a copy of my class notes on reserve as the semester proceeds.